Qty:

User:

Wednesday, 12/11/2008 1:38:20 PM

Julie Dawson

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number : 43363

: 10347 **Estimate Number**

P.O. Number

This Issue

: 12/11/2008 : NC

: //

: 39786

S.O. No. :

Type

: MACHINED PARTS

Drawing Name

Part Number

: D28572 **Drawing Number** . D2857 REV B : N/A

; B

: HINGE BRACKET

Project Number **Drawing Revision**

Material

Due Date : 28/11/2008

10 Um:

Each

Written By

Prsht Rev.

First Issue

Previous Run

Checked & Approved By Comment

: Est C 00.06.22

Removed P/O for powder coat EC

Est D 06.03.30 Added level 8 EC

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

Comment: Qty.:

M6061T6B2000X01250

6061-T6 Bar 2.00 x 1.25



0.4594 f(s)/Unit Total: 4.5938 f(s)

Material: 2.00" X 1.25"

6061-T6 (QQ-A-225/8 or QQ-A-250/11 or QQ-A-200/8)

(M6061T6B200001250) Batch <u>H169223</u>

08/11/13

2.0

BAND SAW



Comment: BAND SAW Cut blanks 5.2"

HAAS1



3.0

Comment: HAAS CNC VERTICAL MACHINING #1

1-Machine per folio D2857-2

2-Deburr any rough edges





4.0

QC2



Comment: INSPECT PARTS AS THEY COME OFF MACHINE





Dart	Aer	ospa	ce L	.td
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W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
						Seo	PAR-UZY		

Part No: <u>D 2857-2</u>	PAR #: Fault Category:	NCR: Yes No DQA:	Date: 08-11-21
Resolution:	Disposition:	QA: N/C Closed:	Date:

NCR:4	3362	WORK ORDER NON-CONFORMANCE (NCR)							
		Corrective Action		Corrective Action Section B		Verification	Apprøval	Approval	
DATE	STEP	Section A	Initial Chi ∉i/ Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Er/g	QC Inspector	
08/11/16		Dimension , 147" is	// -	adjust program.	J.F.				
	13.0	,130" on one parta	'/ .	Scrapi del destrol aly 1	08/11/16		1/		
		R.C. PROSAM TO WAS ROM at 1	psions			16 05/11/17	Borns	08/4/13	
					/				
						<u> </u>			
				1/2					

NOTE: Date & initial all entries

Wednesday, 12/11/2008 1:38:20 PM Date: ‼9er: Julie Dawson **Process Sheet** Drawing Name: HINGE BRACKET Customer: CU-DAR001 Dart Helicopters Services Part Number: D28572 Job Number: 43363 Job Number: **Description:** Seq. #: **Machine Or Operation:** SECOND CHECK QC8 5.0 Comment: SECOND CHECK HAND FINISHING RESOURCE #1 6.0 HAND FINISHING1 Comment: HAND FINISHING RESOURCE #1 Acid etch and Alodine as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION QC3 7.0 POWDER COAT/CHEMICAL CONVERSION POWDER COATING 8.0 POWDER COATING 1152 Comment: POWDER COATING Powder Coat Gloss White (Ref. 4.3.5.1) per Dart QSI 005 4.3 START TIME: **OVEN TEMPERATURE:** FINISH TIME: INSPECT POWDER COAT/CHEMICAL CONVERSION 9.0 QC3 Comment: INSPECT POWDER COAT PACKAGING RESOURCE #1 PACKAGING 1 10.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: FINAL INSPECTION/W/O RELEASE 11.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		······································				*****	

Part No: _		PAR #:	Fault Category:	 NCR: Yes No	DQA:	Date:	
	Resolution:		Disposition:	 QA: N/C Closed	l:	Date:	

NCR:								
-		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
				•				
							<u> </u>	
		•						

NOTE: Date & initial all entries

Description: Hinge Bracket

Description Dwg: D2857 Rev: B

Work Order: 43363

Part Number: D2857-2

Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
4.300	+/-0.010	4,309"				
4.000	+/-0.010	4,003"				
0.340	+/-0.010	.340"				_1
1.110	+/-0.005	1,110		/	-	
1.790	+/-0.010	1, 790				
1.320	+/-0.005	1,320				
2.000	+/-0.010	2001				
0.340	+/-0.010	1,340				
0.447	+/-0.010	,446				
Ø0.171	+0.005/-0.000	B. 173"				
0.147	+/-0.010	,147				
0.376	+/-0.010	,378`				
0.126	+/-0.010	,126"		<u></u>		
0.063	+/-0.010	,062"				
				<u> </u>	:	
Ø0.166	+0.005/-0.000	\$.166"				
0.911	+/-0.010	, 915°				
0.600	+/-0.010	,603				
0.125	+/-0.010	,128"				
0.150	+/-0.010	`,149°				

Measured by: J.F.	Audited by: 24	Prototype Approval:	N/A
Date: 8/1//5	Date: 68/11/17	Date:	N/A

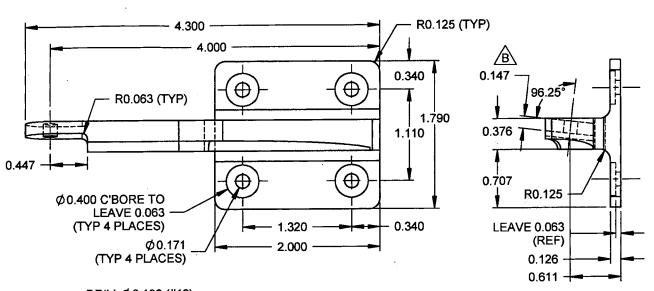
Rev	Date	Change	Revised by	Approved
Α	04.06.15	New Issue	KJ/JLM 1.A	
В	07.04.20	Dimensions update per Dwg Rev B	KJ/JLM ↔	
				//

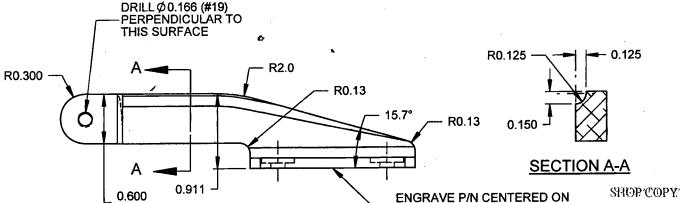


	DESIGN DRAWN I		DRAWN BY	DART AEROS HAWKESBURY, ONTA	
	CHEC	(ED	APPROVED	DRAWING NO.	REV. B
	6	H	-#1	D2857	SHEET 1 OF 1
	DATE			TITLE	SCALE
1		06.0	08.28	HINGE BRACKET	1:1
_	REV		DATE	DESCRIP	TION
	Α		98.12.14	NEW ISSUE	
	В		06.08.28	ADD THICKNESS, REDRAW	W/ SOLIDWORKS

BASE 0.003 DEEP (0.010 MAX)







D2857-1 HINGE BRACKET D2857-2 OPPOSITE

ENGINEERING UNCONTROLLED COPY

RETURN TO

SUBJECT TO AMENDMEN WITHOUT NOTICE

NOTES

1) MATERIAL: 6061-T6 ALUMINUM BAR PER QQ-A-250/11 OR QQ-A-200/8 OR QQ-A-225/8

(REF DART SPEC M6061T6B) 2) FINISH: CHÈMICAL CONVERSION COAT PER DART QSI 005 4.1

POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

5) BREAK ALL SHARP CORNERS TO 0.010 MAX

(REF)

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N97 G0 Z3. N98 G1 G40

N102 T8 M6

N110 G0 Z3. N111 G1 G40

N117 GO Z3. N118 G1 G40

N113 Z0.238

N100 (T8 1/2 END CARB) N101 G0 G49 Z0 M9

N104 G43 Z3. H8 M8 N105 G4 P2000 N106 G0 Z0.438

N107 G1 Z-0.012 F15.0

N112 G0 X5.8037 Y2.1593

N114 &1 Z-0.212 F15.0

N119 (CENTER DRILL)

N99 (FINISH CONTOUR LONG SECTION TOP)

N108 G3 X5.9938 Y1.82 I0.2647 J-0.0746

N115 G3 X5.9938 Y1.82 I0.2647 J-0.0746

N103 G0 G90 G56 X5.8037 Y2.1593 A-90. M3 S3200

N109 G2 X6.2853 Y1.435 I-0.1085 J-0.385 F22.0

N116 G2 X6.2853 Y1.435 I-0.1085 J-0.385 F22.0

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R:\CNC-NCC\Orange\D2800\D2857\D2857-1a\57-1ac01.NCC - 17/11/2008 10:08:26 AM - Page 2
N59 Z0.585
N60 G1 Z0.185 F15.0
N61 X1.
N62 X1.7134 F12.0
N63 X2.0951 Y1.52 F22.0
N64 X2.2073
N65 Y2.093
N66 Y2.243 F15.0
N67 G0 Z3.
N68 G1 G40
N69 (FACE HOLE SECTION BACK TOP)
N70 (T14 1/2-1/16 RAD BULL
N71 G0 G49 G90 Z0
N72 G56 X2.2073 Y-2.3834 A96.247
N73 G43 Z3. H14 M8
N74 G0 Z0.2029
N75 G1 Z-0.0471 F15.0
N76 Y-2.1084
N77 Y-1.5354
N78 X1.8948 F22.0
N79 Y-2.1084
N80 Y-2.2584 F15.0
N81 G0 Z3.
N82 G1 G40
N83 (CONTOURV LONG SECTION TOP)
N84 (T15 1" END 0.4 DEEP)
N85 G0 G49 Z0 M9
N86 T15 M6
N87 G0 G90 G56 X6.7334 Y-2.4168 A90. M3 S1500
N88 G43 Z3. H15 M8
N89 G4 P2000
N90 G0 Z0.062
N91 G1 Z-0.288 F15.0
N92 G3 X6.0548 Y-2.0366 I-0.5294 J-0.1492
N93 G1 X4.2522 Y-2.5447
N94 G2 X3.5743 Y-2.6384 I-0.6782 J2.4063
N95 G1 X1.9109 Y-2.6404
N96 G3 X1.7611 Y-2.7905 I0.0002 J-0.15
N97 G0 Z3.
N98 G1 G40
N99 (FINISH CONTOUR LONG SECTION TOP)
N100 (T8 1/2 END CARB)
N101 G0 G49 Z0 M9
                                                                      New
N102 T8 M6
N103 G0 G90 G56 X5.8037 Y2.1593 A-90. M3 S3200
N104 G43 Z3. H8 M8
N105 G4 P2000
N106 G0 Z0.438
N107 G1 Z-0.012 F15.0
N108 G3 X5.9938 Y1.82 I0.2647 J-0.0746
N109 G2 X6.2853 Y1.435 I-0.1085 J-0.385 F22-0
N110 G0 Z3.
N111 G1 G40
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N112 G0 X5.8037 Y2.1593 N113 Z0.238 N114 G1 Z-0.196 F15.0 N115 G3 X5.9938 Y1.82 I0.2647 J-0.0746 N116 G2 X6.2853 Y1.435 I-0.1085 J-0.385 F22.0 N117 G0 Z3. N118 G1 G40 N119 (CENTER DRILL)